

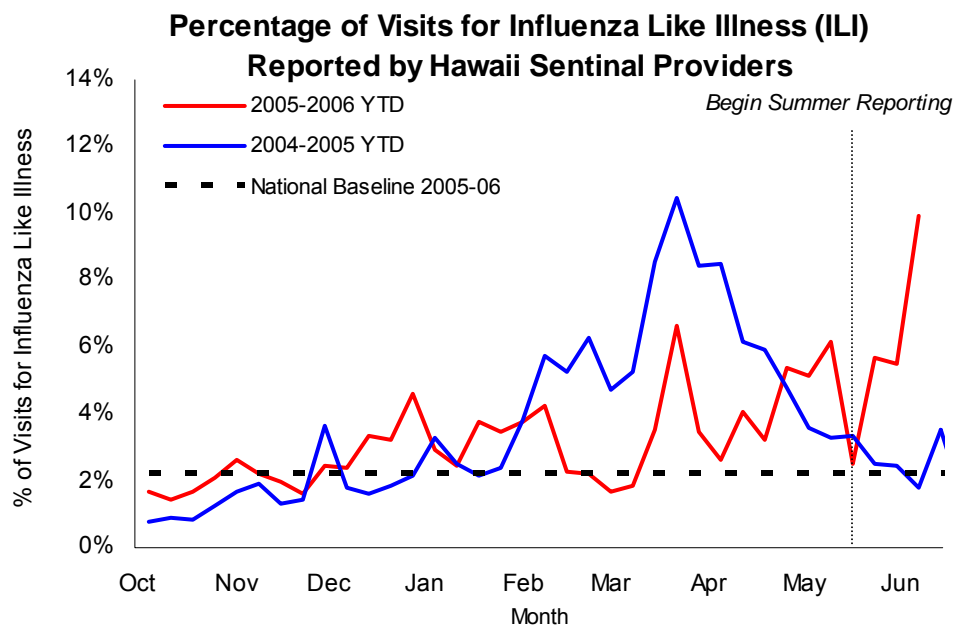
HAWAII STATE DEPARTMENT OF HEALTH DISEASE OUTBREAK CONTROL DIVISION

Influenza Surveillance Report

June 4 – June 10, 2006: MMWR¹ Week 23

I. Surveillance of Influenza Like Illness (ILI):

During week 22, 5.5% of patient visits to Hawaii's Sentinel Providers were due to Influenza Like Illness (ILI). The current year's percentage of ILI is higher than the percent ILI reported at the same time last year (2.4%). Data for week 23 is not yet available.



II. Pneumonia and Influenza (P&I) Related Mortality²:

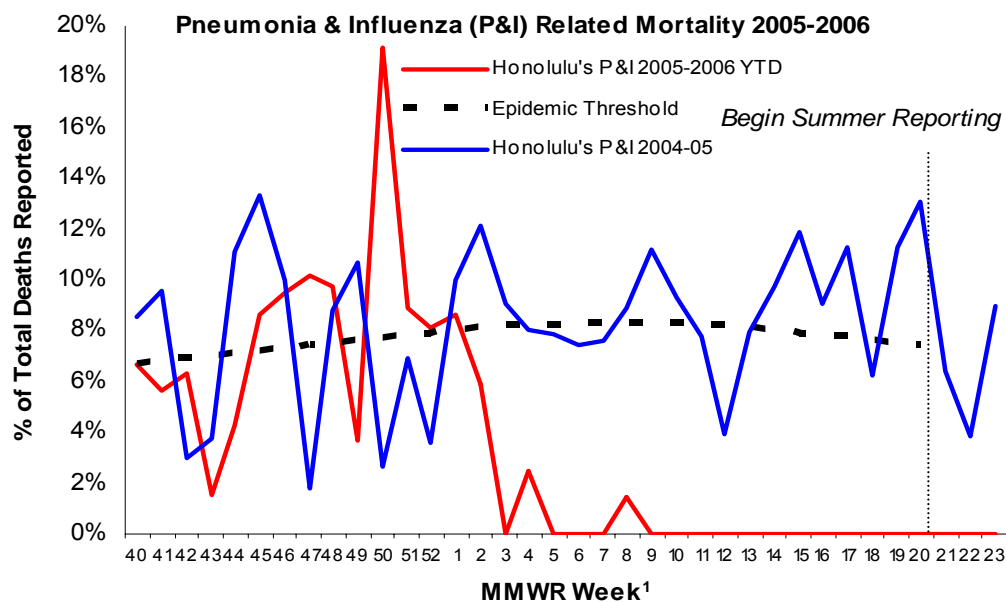
During week 23, no deaths in Honolulu were associated with influenza or pneumonia. The current year's P&I mortality (0%) is lower than the P&I mortality reported at the same time last year (9.0%).

¹ MMWR stands for 'Morbidity and Mortality Weekly Report,' conventionally used by the Centers for Disease Control (CDC). The weeks of a flu season are often referred to by their respective MMWR week. See appendix 1 for interpretation of MMWR weeks.

² This data was reported by the Hawaii State Department of Health Vital Statistics Office.

Influenza Associated Pediatric Mortality²:

There have been no influenza-associated pediatric mortalities in Hawaii during the current flu season.



III. Laboratory Surveillance

During the 2005-06 flu season, the Hawaii Department of Health (HDOH) experienced the highest influenza specimen submission rate ever recorded. To reduce turnaround time, optimize data quality, and improve utilization of limited resources, the Disease Outbreak Control Division (DOCD) and State Laboratories Division (SLD) collaborated to develop criteria to prioritize specimens for testing. Specimens that are not tested are archived and stored until the next influenza season in case more comprehensive analyses are necessary.

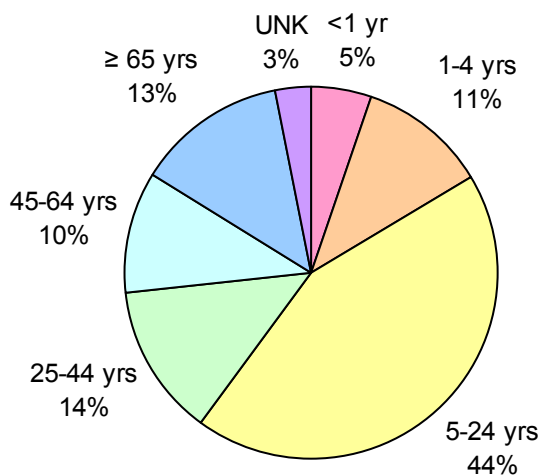
A total of **4385** (average 146 specimens/week) specimens were tested by the Hawaii State Laboratories Division (SLD) during the 2005-06 flu season (MMWR week 40, 2005 – week 16, 2006). Starting MMWR week 17, DOH lowered influenza testing from enhanced surveillance (30/day during the flu season) to routine surveillance (15/day during the summer). Currently, SLD is testing an average of 69 specimens per week to continue influenza surveillance throughout the summer season.

Positive Isolates:

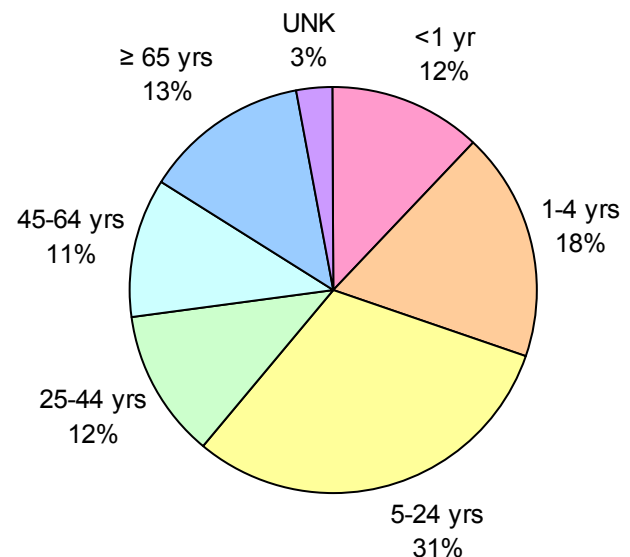
The pie chart (below) indicates the distribution of positive influenza cases in Hawaii by age group for the 2005-06 flu season. School children and young adults (age group 5-24) appear to be infected most frequently (44% of positive influenza cases versus 31% of specimens tested).

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2005-2006 Flu Season/ Summer: Positive Influenza Cases by Age Group (to date)

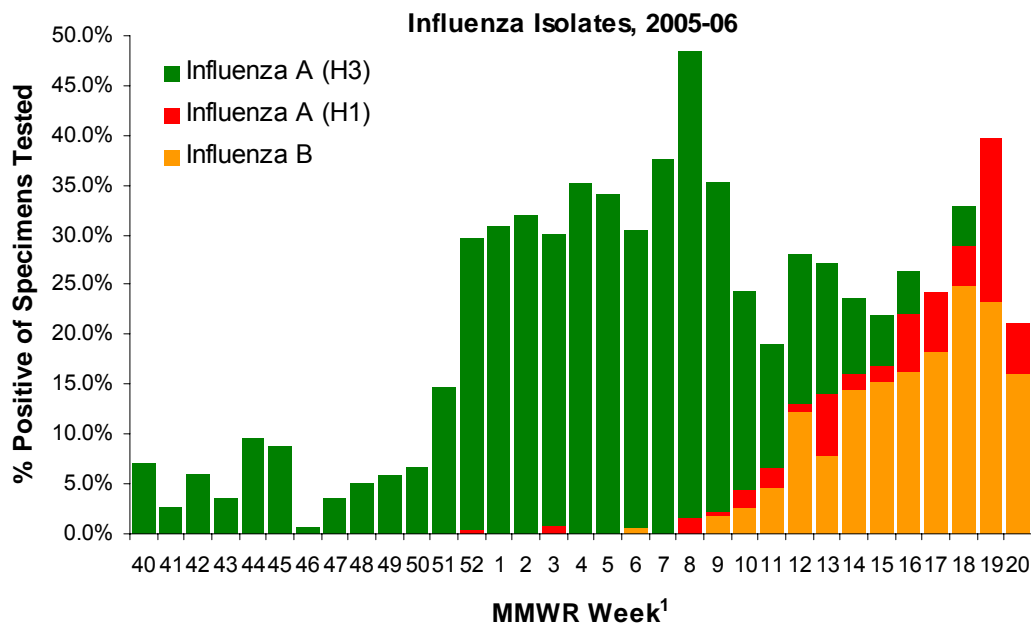


2005-2006 Flu Season/Summer: Specimens Tested by Age Group (to date)



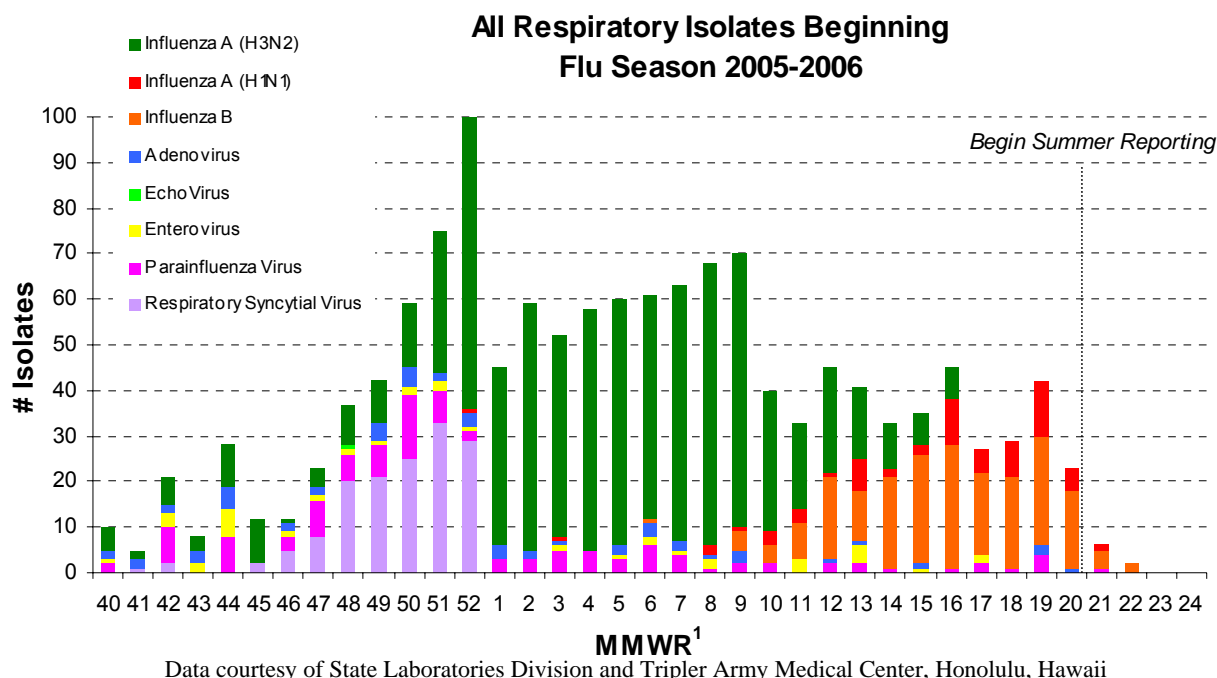
Positive isolates sub-typed since the beginning of Flu Season 2005-06 (Week 40 to present):

A total of 965 influenza cases were detected by SLD during the 2005-06 flu season; 792 out of 965 cases were identified as influenza A. Of these, 735 are of the H3N2 subtype, and 57 are of the H1N1 subtype. There were 173 influenza B cases detected. These isolates have been sent to CDC for sub-typing confirmation. CDC confirmation will not be expected for several months. No isolates have been detected in specimens tested since the end of the flu season (ending MMWR week 20).



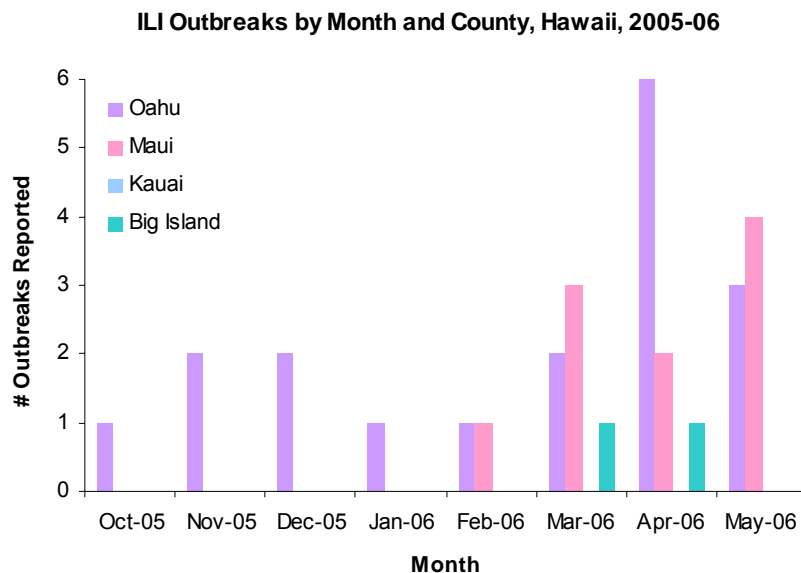
Data courtesy of State Laboratories Division

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IV. Clustered ILI Activity

During the 2005-06 influenza season, HDOH received 30 reports of influenza like illness outbreaks. Ten reports were from long term care facilities (LTC), and the rest were from schools. Specimens were collected for influenza testing from seventeen institutions (8 LTC (80%) and 9 schools (53%)). Specimens from one suspected outbreak were unacceptable for testing because they leaked in transition to SLD. The presence of influenza was ruled out in three facilities, and was confirmed through RT-PCR testing and viral culture in thirteen locations (10 outbreaks of Influenza A, and 3 outbreaks of Influenza B). Since the end of the flu season in mid-May, no new outbreaks have been reported.



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V. Avian Influenza

6 June 2006

Country	2003		2004		2005		2006		Total	
	cases	deaths	cases	deaths	cases	deaths	cases	deaths	cases	deaths
Azerbaijan	0	0	0	0	0	0	8	5	8	5
Cambodia	0	0	0	0	4	4	2	2	6	6
China	0	0	0	0	8	5	10	7	18	12
Djibouti	0	0	0	0	0	0	1	0	1	0
Egypt	0	0	0	0	0	0	14	6	14	6
Indonesia	0	0	0	0	17	11	32	26	49	37
Iraq	0	0	0	0	0	0	2	2	2	2
Thailand	0	0	17	12	5	2	0	0	22	14
Turkey	0	0	0	0	0	0	12	4	12	4
Viet Nam	3	3	29	20	61	19	0	0	93	42
Total	3	3	46	32	95	41	81	52	225	128

Total number of cases includes number of deaths.
WHO reports only laboratory-confirmed cases.

Appendix 1: MMWR Week

Please refer to the table below to interpret data presented by MMWR week.

Week Ending	MMWR	Week Ending	MMWR
10/8/05	40	4/8/06	14
10/15/05	41	4/15/06	15
10/22/05	42	4/22/06	16
10/29/05	43	4/29/06	17
11/5/05	44	5/6/06	18
11/12/05	45	5/13/06	19
11/19/05	46	5/20/06	20
11/26/05	47	5/27/06	21
12/3/05	48	6/3/06	22
12/10/05	49	6/10/06	23
12/17/05	50	6/17/06	24
12/24/05	51	6/24/06	25
12/31/05	52	7/1/06	26
1/7/06	1	7/8/06	27
1/14/06	2	7/15/06	28
1/21/06	3	7/22/06	29
1/28/06	4	7/29/06	30
2/4/06	5	8/5/06	31
2/11/06	6	8/12/06	32
2/18/06	7	8/19/06	33
2/25/06	8	8/26/06	34
3/5/06	9	9/2/06	35
3/11/06	10	9/9/06	36
3/18/06	11	9/16/06	37
3/25/06	12	9/23/06	38
4/1/06	13	9/30/06	39